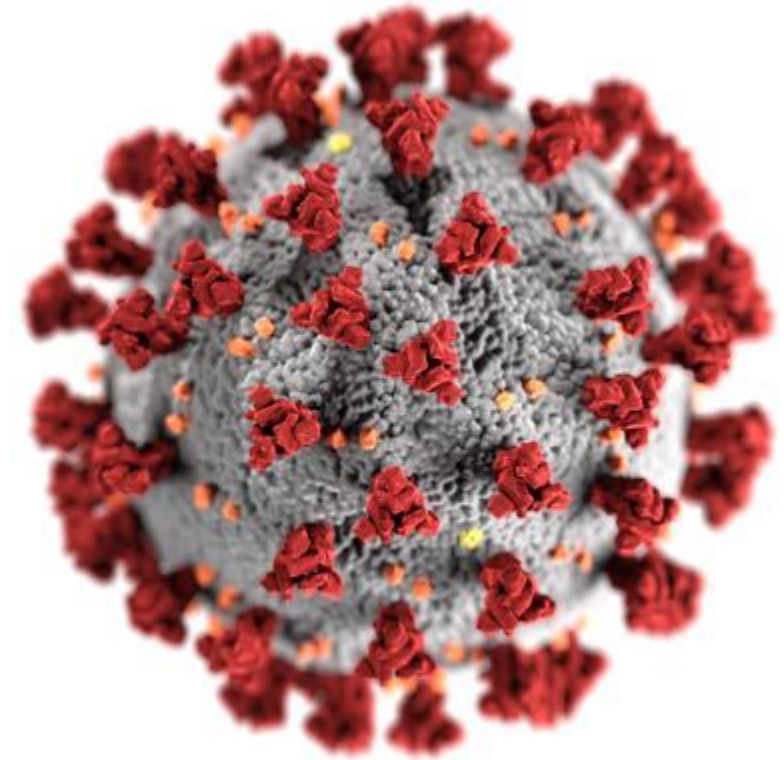


2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

November 12, 2020



We will begin in just a few moments. Thanks!



SOUTH DAKOTA DEPARTMENT OF HEALTH

This is an **emerging, rapidly evolving situation**. Information in this presentation is current as of November 11, 2020. Please check the South Dakota Department of Health website for the most current information and guidance.

[COVID.sd.gov](https://www.southdakota.gov/covid19)

Agenda

- Situation Update
- Laboratory Guidance
- Long Term Care
- Community Mitigation
- Supply Chain Management
- On-going Communications
- Q&A Session

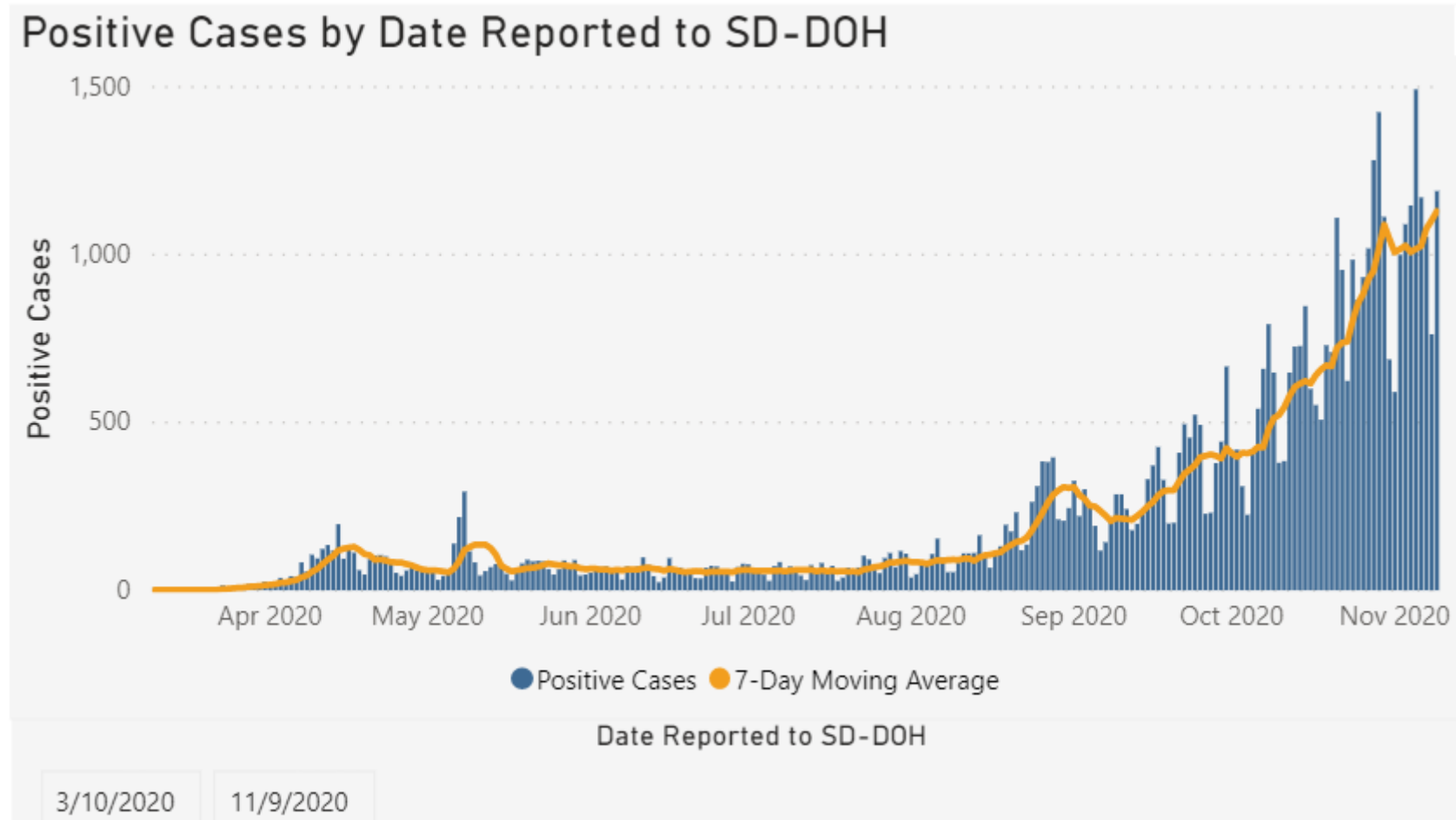


Coronavirus Situation (as of November 11, 2020)

- [International](#)
 - 51,251,715 confirmed cases
 - 1,270,930 deaths
- [United States](#) (50 states + DC)
 - 10,170,846 confirmed cases
 - 239,590 deaths
- [South Dakota](#)
 - 55,705 confirmed cases, 2,991 probable cases
 - 567 deaths
 - 40,668 recovered cases

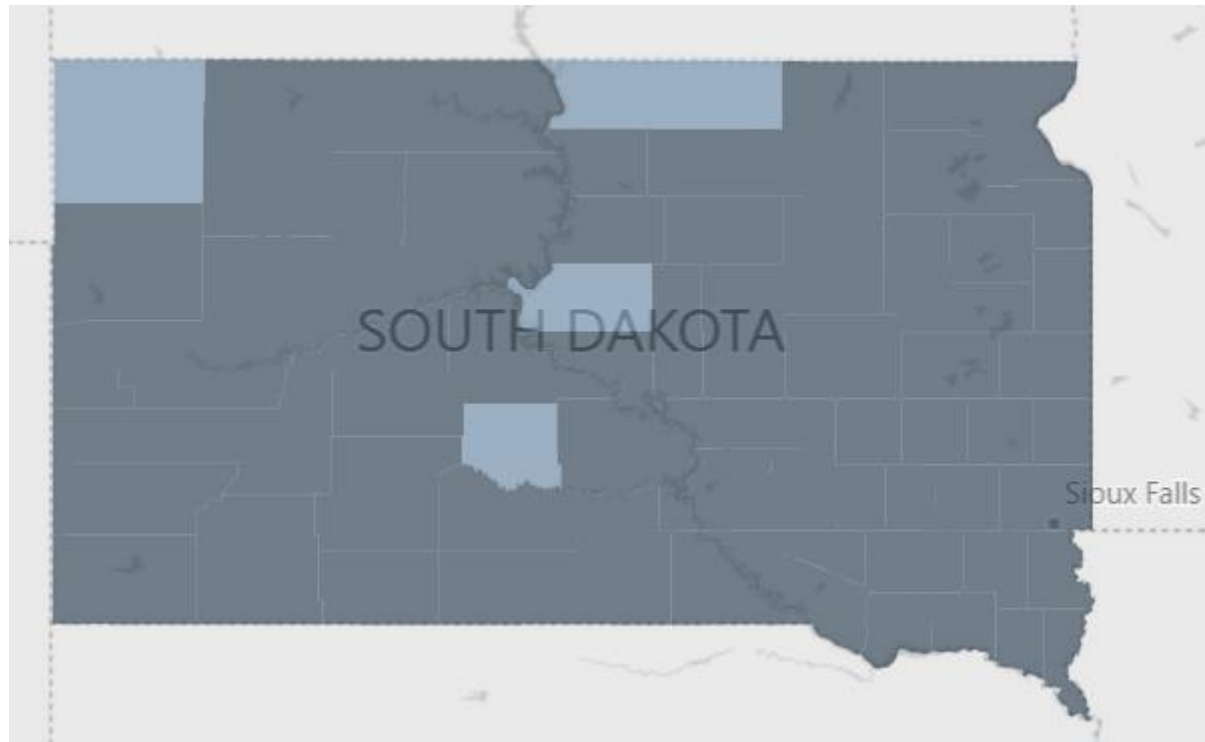


Epidemiologic “Epi” Curve of COVID-19 Cases, by Onset Date



As of November 11, 2020

COVID-19 Case Map, by County



As of November 11, 2020

Substantial Community Spread

Aurora	Fall River	Mellette
Beadle	Faulk	Miner
Bennett	Grant	Minnehaha
Bon Homme	Gregory	Moody
Brookings	Haakon	Oglala Lakota
Brown	Hamlin	Pennington
Brule	Hand	Perkins*
Buffalo	Hanson	Potter
Butte	Hughes	Roberts
Charles Mix	Hutchinson	Sanborn
Clark	Hyde*	Spink
Clay	Jackson	Stanley
Codington	Jerauld*	Todd
Corson	Kingsbury	Tripp
Custer	Lake	Turner
Davison	Lawrence	Union
Day	Lincoln	Walworth
Deuel	Lyman	Yankton
Dewey	Marshall*	Ziebach
Douglas	McCook	
Edmunds	Meade	

*New counties

General Testing Recommendations

Medical providers are recommended to test individuals with signs and symptoms compatible with COVID-19 infection, including:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>

As of June 18, 2020



SOUTH DAKOTA DEPARTMENT OF HEALTH

Reporting COVID-19 Tests to SD-DOH

- **Reminder:** Coronavirus respiratory syndromes are a Category I disease
- Report ***immediately*** on suspicion of disease
- Reporting mechanisms:
 - Electronic Laboratory Report (ELR) – HL7 message to SD Health Link (health information exchange)
 - Flat file (CSV) – Secure email
 - Disease reporting website – sd.gov/diseasereport
 - Fax – 605.773.5509



MIS-C

- Case definition:
 - An individual aged <21 years presenting with fever, laboratory evidence of inflammation, and evidence of clinically severe illness requiring hospitalization, with multisystem (≥ 2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic or neurological); AND
 - No alternative plausible diagnoses; AND
 - Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or exposure to a suspected or confirmed COVID-19 case within the 4 weeks prior to the onset of symptoms.
- Cases of MIS-C:
 - USA: 1,163 confirmed cases and 20 deaths
 - SD: 1 confirmed case and zero deaths

MIS-A

- Working case definition:
 - A severe illness requiring hospitalization in a person aged ≥ 21 years
 - A positive test result for current or previous SARS-CoV-2 infection (nucleic acid, antigen, or antibody) during admission or in the previous 12 weeks
 - Severe dysfunction of one or more extrapulmonary organ systems (e.g., hypotension or shock, cardiac dysfunction, arterial or venous thrombosis or thromboembolism, or acute liver injury)
 - Laboratory evidence of severe inflammation (e.g., elevated CRP, ferritin, D-dimer, or interleukin-6)
 - Absence of severe respiratory illness (to exclude patients in which inflammation and organ dysfunction might be attributable simply to tissue hypoxia).



Timeline of Cases in South Dakota

Mar 10

Nov 12

March 10: First COVID-19 cases in South Dakota

10,000 cases milestone: + 157 days

20,000 cases milestone: + 41 days

30,000 cases milestone: + 20 days

40,000 cases milestone: + 13 days

50,000 cases milestone: + 9 days

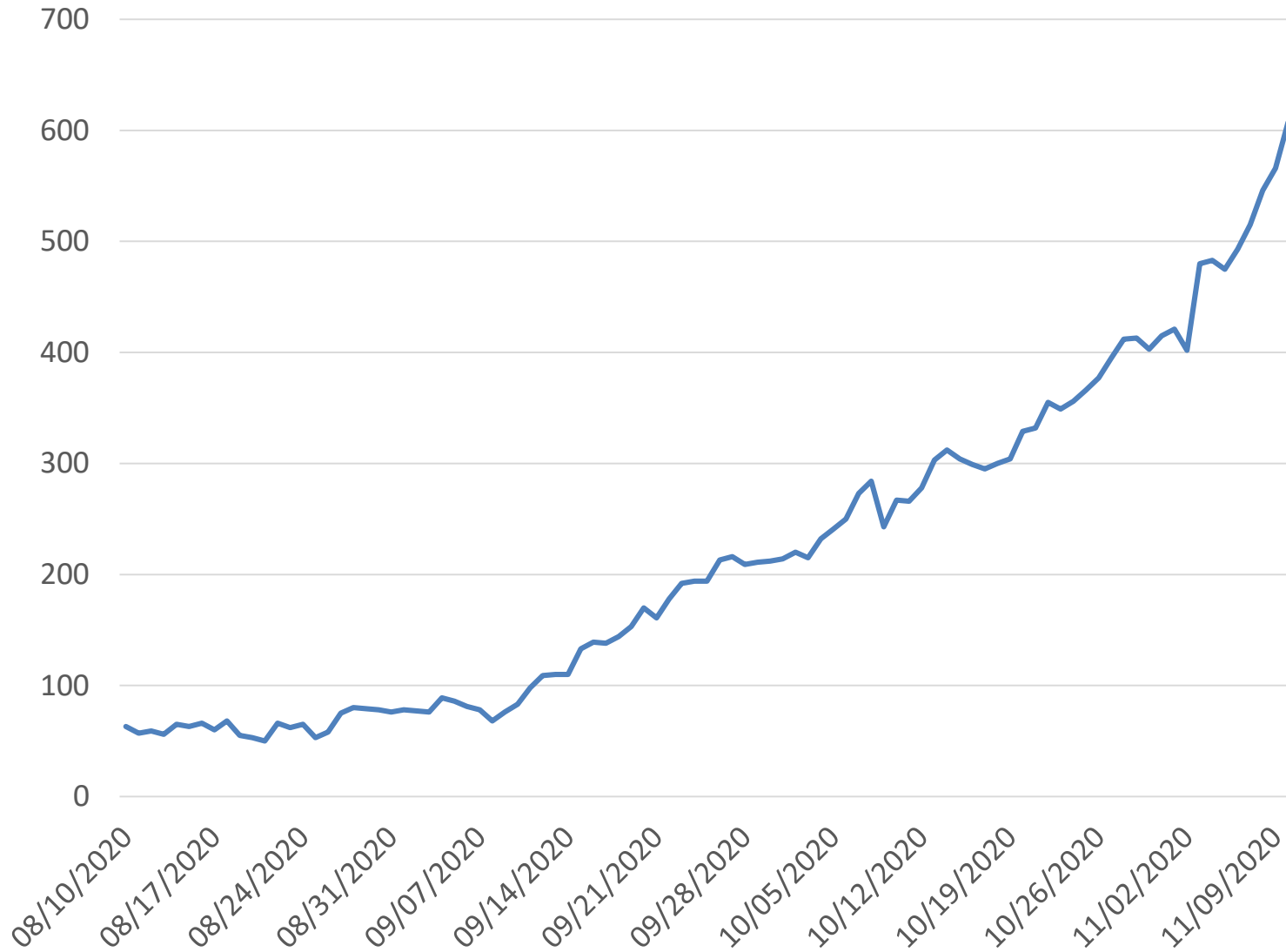
60,000 cases milestone: + 6 days



SOUTH DAKOTA DEPARTMENT OF HEALTH

Considerations for Your Holiday Gatherings

Currently Hospitalized, Aug 10-Nov 10, 2020



Factors that contribute to the risk of getting and spreading COVID-19 at small in-person gatherings

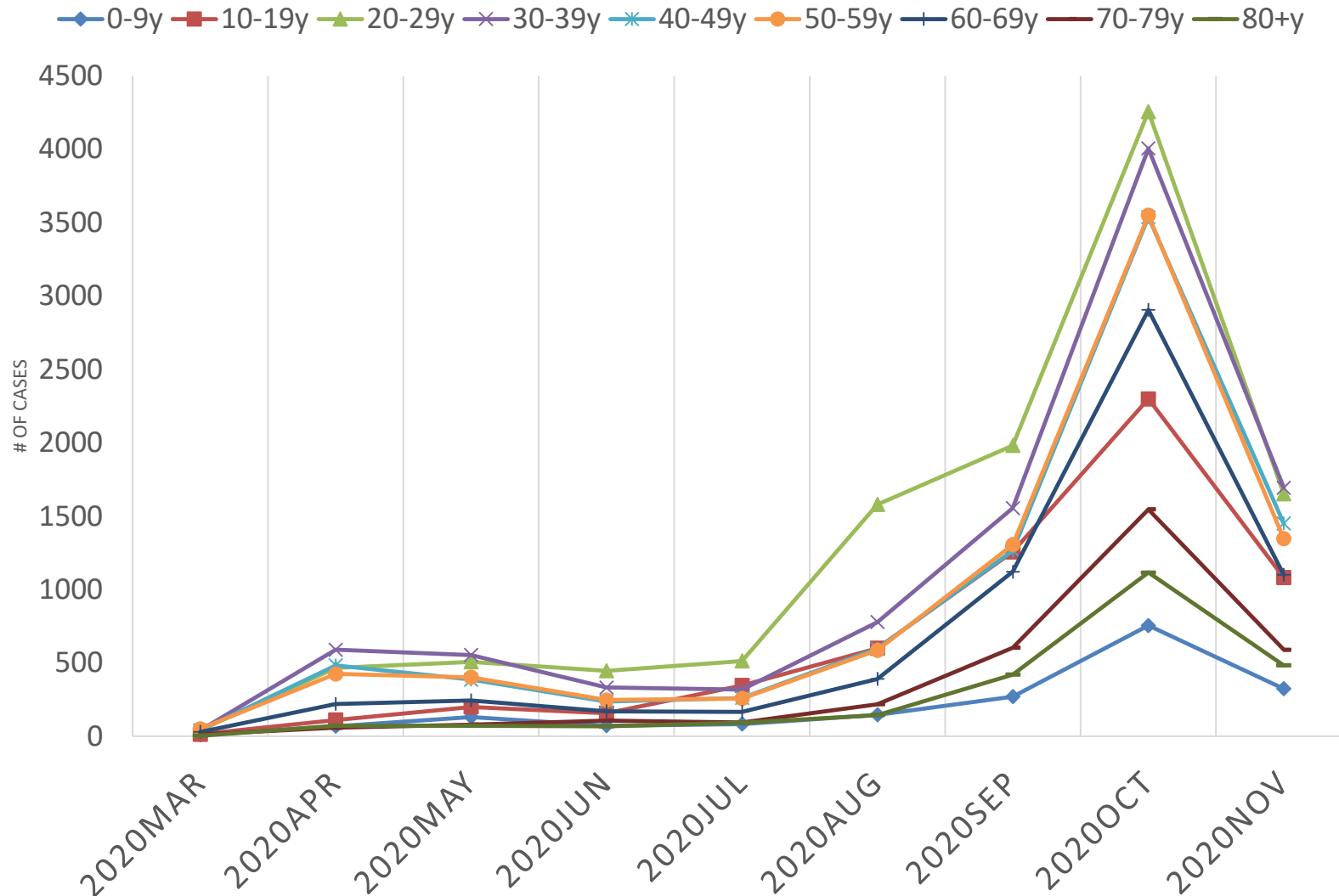
- Community levels of COVID-19
- Exposure during travel
- Location of gathering (indoor vs outdoor; poor ventilation)
- Duration of gathering
- Number of people and crowding at gathering
- Behaviors of attendees **prior to** the gathering
- Behaviors of attendees **during** the gathering

<https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/holidays.html>



SOUTH DAKOTA DEPARTMENT OF HEALTH

Age Distribution of COVID-19 Cases in SD



Age Group	Cumulative Rate (per 100,000)
0-9	1520
10-19	5115
20-29	9783
30-39	8650
40-49	8629
50-59	7628
60-69	5729
70-79	5361
80+	6459

Selected CDC Updates

Available at: <https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>

Late Sequelae of COVID-19: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-care/late-sequelae.html>

Vaccines: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>

10 Things Healthcare Professionals Need to Know about U.S. COVID-19 Vaccination Plans: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/vaccination.html>



SOUTH DAKOTA DEPARTMENT OF HEALTH

Laboratory Guidance



SOUTH DAKOTA DEPARTMENT OF HEALTH

Statewide Priority Populations for SARS-CoV-2 Testing

It is a statewide priority that ALL individuals with symptoms of COVID-19 be tested for SARS-CoV-2 with the recommendation from a health care provider

- Hospitalized individuals
- Healthcare workers, first responders, and active military
- Critical infrastructure workers in food manufacturing and agriculture
- Individuals in communal living settings like long-term care facilities
- Underinsured or uninsured individuals
- Low-income individuals or individuals unable to pay for testing
- Homeless individuals



SDPHL COVID-19 Testing Priorities

- Symptomatic hospitalized patients
- Symptomatic healthcare workers, first responders, and active military
- Symptomatic individuals in congregate living settings like LTC facilities
- Symptomatic individuals with no way to pay for testing
- Asymptomatic participants in state-sponsored sentinel surveillance:
 - Long-term care (staff and residents)
 - K-12 schools (adults)
 - Corrections (inmates and staff)
 - Tribes (tribal members)



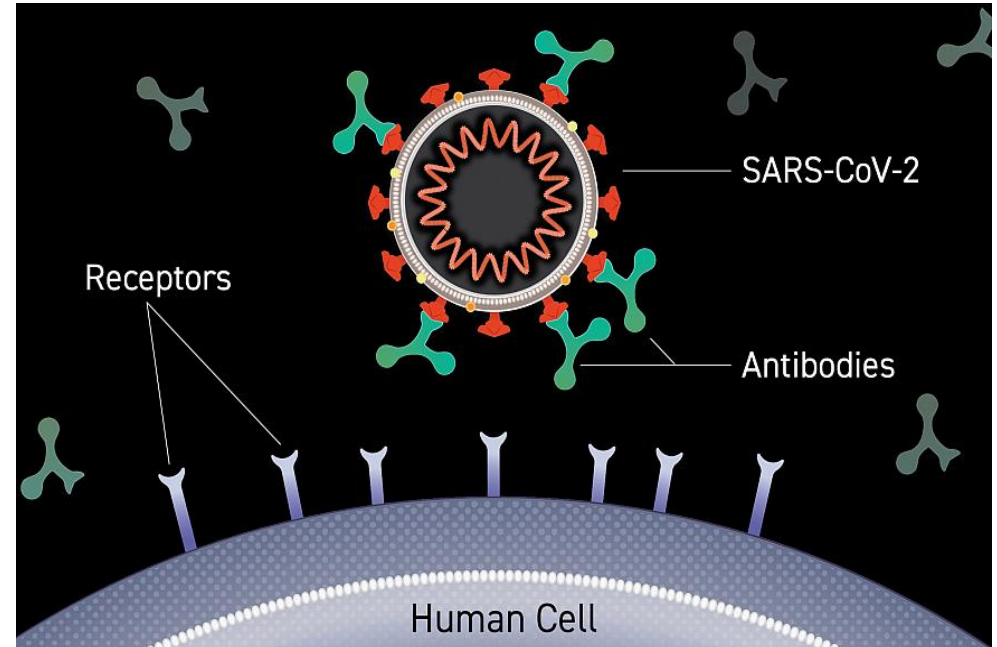
FDA EUA Updates

- FDA has issued Emergency Use Authorization for the following:
 - 189: Molecular Diagnostic Tests for SARS-CoV-2
 - 58 (2): Serological Tests
 - 34: Molecular-Based Laboratory Developed Tests for SARS-CoV-2
 - 7: Antigen Diagnostic Tests for SARS-CoV-2
- Notable EUA Updates:
 - Monoclonal Antibody Therapy: Eli Lilly, Bamlanivimab



Monoclonal Antibodies

- Antibodies are proteins created by specialized immune cells and aid in the immune response
- Antibodies, including monoclonal antibodies (mAbs), directly neutralize the COVID-19 virus and are intended to **prevent progression of disease**



Monoclonal Antibody Therapy for COVID-19

- FDA granted **Emergency Use Authorization** for the Eli Lilly mAb therapy bamlanivimab on November 9, 2020
- Early evidence from a clinical trial showed bamlanivimab **may potentially** reduce hospitalization for individuals with COVID-19
- Bamlanivimab can be delivered by a single IV infusion and was shown to be most effective when **given early in infection**



Bamlanivimab Allocation: Phase 1

- During phase 1 of allocation, bamlanivimab will be provided to South Dakota hospitals and hospital-affiliated locations based on the following criteria:
 - Confirmed hospitalizations (7-day incidence)
 - Confirmed cases (7-day incidence)
- Hospitals must be registered with AmerisourceBergen to be eligible to receive bamlanivimab
- South Dakota's first allocation of COVID-19 mAb therapy (820 courses of treatment) was offered to hospitals currently registered with AmerisourceBergen and who received remdesivir



Bamlanivimab Allocation: Phase 2

- During phase 2 of allocation, bamlanivimab can be offered to other outpatient facilities.
- In addition to state and territories, bamlanivimab is being offered to:
 - Department of Defense
 - Veteran's Health Administration
 - Indian Health Services
 - Bureau of Prisons
 - Department of State
- SDDOH will provide frequent updates regarding allocation and movement between phases

Bamlanivimab Administration

- Bamlanivimab must be administered in an appropriate health care setting with appropriate staffing
- Eligible locations must have appropriately trained staff and equipment to provide IV infusion
- Post-infusion patient monitoring is required following mAb therapy administration
- Operation Warp Speed mAb therapy playbook provides additional information for health care facilities that are considering administration of out-patient mAb therapy.



Readiness Checklist: Administration of Outpatient mAbs under EUA



Allocate **dedicated space** and develop plan to **manage patient flow**

- ☐ Clear process for patients that are coming to clinical site including scheduling requirements
- ☐ Admission process for COVID-19 positive patients designed to minimize risk of spread per facility requirements / directions / guidelines'
- ☐ Dedicated room available for treatment



Ensure **dedicated source of supplies**; which may be difficult to procure

- ☐ Needed infusion components obtained
 - ☐ Example: IV kits, infusion chair, IV pole, vital sign monitoring equipment, emergency medications



Assign **sufficient personnel** to meet expected demand

- ☐ Sufficient staffing plans in place for Nurse/IV tech, Physician, Pharmacist
 - Likely need dedicated team to treat patients



Prepare for **drug administration** process

- ☐ Pre-visit: Clear treatment and monitoring plan developed for during infusion
- ☐ Treatment: 1-hour treatment and up 1-hour post-treatment observation
 - ☐ Emergency protocol defined for addressing potential infusion reactions or complications
- ☐ Post-treatment: Clear process for patient follow-up defined using telemedicine as possible



Ensure **process for reimbursement** in place (non-drug administrative costs)



Prepare for **reporting needs** for adverse events and record keeping

Bamlanivimab Resources

- [Operation Warp Speed Pre-EUA Playbook – Monoclonal Antibodies](#)
- [FDA Letter of Authorization](#)
- [Fact Sheet for Healthcare Providers](#)
- [Fact Sheet for Patients and Caregivers](#)
- [FDA Frequently Asked Questions](#)



SOUTH DAKOTA DEPARTMENT OF HEALTH

Community Testing Opportunities

The screenshot displays the South Dakota Department of Health website. The header includes the department's logo, name, and the Secretary's name, Kim Malsam-Rysdon. Social media links for Facebook, Twitter, and YouTube are present, along with a Google search bar and buttons for 'SUBSCRIBE TO LISTSERV' and 'CONTACT US'. A navigation menu lists various sections: A-Z TOPICS, NEWS, LOCAL OFFICES, LICENSING BOARDS, EVENT CALENDAR, RESOURCES & PUBLICATIONS, and FAQs. The 'NEWS' section is active, showing a breadcrumb trail from HOME to NEWS. On the left, there are links to 'Collapse All' and 'Expand All', and a 'Recent Releases' section. The main content area features the South Dakota Department of Health logo, the URL 'covid.sd.gov', and the title 'NOVEL CORONAVIRUS (COVID-19) UPDATES AND INFORMATION'. Below this, a list of links provides further information: Updates | COVID-19 in SD, Precautions to Avoid Illness | If You Develop Symptoms, Multiple Language Resources | Vaccine Information, Community Guidance | Plasma Donation, Multisystem Inflammatory Syndrome (MIS-C), For Medical Providers | SD Healthcare Provider Guidance, Remdesivir Distribution | SD Registries & Data Collection, and CDC Healthcare Provider Guidance | CDC Website. At the bottom, three prominent buttons offer 'Drive-Thru Mass TESTING EVENTS', 'COVIDAge Risk CALCULATOR', and 'Quarantine & Isolation CALCULATOR'.

WEBSITE OF THE STATE OF SOUTH DAKOTA DEPARTMENT OF HEALTH
Kim Malsam-Rysdon, Secretary of Health

SOUTH DAKOTA DEPARTMENT OF HEALTH

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A-Z TOPICS NEWS LOCAL OFFICES LICENSING BOARDS EVENT CALENDAR RESOURCES & PUBLICATIONS FAQs

HOME ► NEWS

NEWS

Collapse All | Expand All

Recent Releases

SOUTH DAKOTA DEPARTMENT OF HEALTH covid.sd.gov

NOVEL CORONAVIRUS (COVID-19) UPDATES AND INFORMATION

Updates | COVID-19 in SD
Precautions to Avoid Illness | If You Develop Symptoms
Multiple Language Resources | Vaccine Information
Community Guidance | Plasma Donation
Multisystem Inflammatory Syndrome (MIS-C)
For Medical Providers | SD Healthcare Provider Guidance
Remdesivir Distribution | SD Registries & Data Collection
CDC Healthcare Provider Guidance | CDC Website

Drive-Thru Mass TESTING EVENTS COVIDAge Risk CALCULATOR Quarantine & Isolation CALCULATOR

Community Testing Opportunities

Testing Communities

All times are local.

PIERRE - National Guard Armory, 3440 E. Hwy. 34

November 10 | 7 a.m. – 5 p.m.

November 11 | 8 a.m. – 5 p.m.

MOBRIDGE - National Guard Armory, 1213 Lake Front Dr.

November 11 | 8 a.m. – 5 p.m.

ABERDEEN - Fairgrounds, 400 24th Ave. NW

November 12 & 13 | 8 a.m. – 5 p.m.

November 14 | 8 a.m. – 12 p.m.

CHAMBERLAIN / OACOMA - Oacoma Community Center, 100 E. 3rd St.

November 14 | 8 a.m. – 5 p.m.

WATERTOWN - National Guard Armory, 1951 N. Hwy. 20

November 15 & 16 | 8 a.m. – 5 p.m.

MADISON - Baughman Park, 1100 3rd St. SE

November 17 | 12 p.m. – 6 p.m.

November 18 | 8 a.m. – 5 p.m.

YANKTON - Mall Parking Lot, 2101 Broadway Ave.

November 17 | 12 p.m. – 6 p.m.

November 18 | 8 a.m. – 5 p.m.

MARTIN - Post 240 American Legion, 210 East Bennett Ave.

November 20 | 9 a.m. – 6 p.m.

CUSTER - Custer Search & Rescue, 1073 Montgomery St.

November 20 | 8 a.m. – 5 p.m.

SPEARFISH - Spearfish High School, 1725 N. Main St.

November 21 & 22 | 8 a.m. – 5 p.m.



SOUTH DAKOTA DEPARTMENT OF HEALTH

Community Testing Opportunities

COVID-19 Drive-Thru Mass Testing Events

Register for a Testing Time 

Pre-registration is required to secure a testing time. Testing is FREE.


[Registration Instructions](#) | [Covid-19 Drive up Testing video](#)



SOUTH DAKOTA DEPARTMENT OF HEALTH

Community Testing Opportunities

Do I Need a COVID-19 Test?

 Select Language ▼

Look for **emergency warning signs*** for COVID-19. If someone is showing any of these signs, **seek emergency medical care immediately:**

- Trouble breathing
- Persistent pain or pressure in the chest
- New confusion
- Inability to wake or stay awake
- Bluish lips or face

***This list is not all possible symptoms.** Please call your medical provider for any other symptoms that are severe or concerning to you.

Call 911 or call ahead to your local emergency facility: Notify the operator that you are seeking care for someone who has or may have COVID-19.

[Click here to register for a COVID-19 test.](#)

Register



SOUTH DAKOTA DEPARTMENT OF HEALTH

Community Testing Opportunities



Returning Users

Username

[Forgot username?](#)

Password

[Forgot password?](#)

Log on

New Users Sign-up Here

Every individual that is registering for a test must create a separate account.

You do not have to have symptoms to register for a test.

Register



SOUTH DAKOTA DEPARTMENT OF HEALTH

Long Term Care

Disease Impact – United States

as of 10.25.20

Resident Cases and Deaths

TOTAL COVID-19 CONFIRMED CASES

281,110

TOTAL COVID-19 SUSPECTED CASES

153,951

TOTAL COVID-19 DEATHS

63,617

<https://data.cms.gov/stories/s/COVID-19-Nursing-Home-Data/bkwz-xpvg/>



SOUTH DAKOTA DEPARTMENT OF HEALTH

Long Term Care in South Dakota

Nursing Homes and Assisted Living Centers

- **Cumulative Total Resident Cases – 1530**
- **Cumulative Total Resident Active Cases – 836***
- **Cumulative Total Resident Deaths – 281**
- **Cumulative Total LTC Facility with Case – 191**
- **Current Total of LTC with Case – 134***
- **Cumulative Total Case in Staff – 817**
- **Total Active Cases in Staff – 651***
- **Cumulative Total Staff Hospitalized – 22**

**self-reported by touch-base calls as of 11/10/2020 - all data is provisional*



SOUTH DAKOTA DEPARTMENT OF HEALTH

The Core Principles of COVID-19 Infection Prevention

The Core Principles of COVID-19 Infection Prevention

- **Screening** of all who enter the facility for signs and symptoms of COVID-19 (e.g., temperature checks, questions or observations about signs or symptoms), and denial of entry of those with signs or symptoms
- **Hand hygiene** (use of alcohol-based hand rub is preferred)
- **Face covering or mask** (covering mouth and nose)
- **Social distancing** at least six feet between persons
- **Instructional signage** throughout the facility and proper **visitor education** on COVID19 signs and symptoms, infection control precautions, other applicable facility practices (e.g., use of face covering or mask, specified entries, exits and routes to designated areas, hand hygiene)
- **Cleaning and disinfecting** high frequency touched surfaces in the facility often, and designated visitation areas after each visit
- Appropriate use of **Personal Protective Equipment (PPE)**
- **Effective cohorting** of residents (e.g., separate areas dedicated COVID-19 care)
- **Resident and staff testing** are accessible



Resources for Long Term Care

Project Echo Clinical Rounds - including a series of sessions focused on nursing facility care: <https://hsc.unm.edu/echo/institute-programs/covid-19-response/us-covid19/hhs-aspr/>

Here is the link to the NH Resource Center: <https://www.cms.gov/nursing-homes> ;

and the specific link to the training series: <https://qsep.cms.gov/welcome.aspx>



Staffing Resource Options

In recognizing the critical role of family members and close friends in the life of residents in LTC and acknowledging the ongoing COVID-19 pandemic, it is strongly recommended LTC facilities develop and implement their response plan to acknowledge and include designated essential caregivers and volunteers.

- *Essential caregiver is an individual(s) whether family or friend who previously was actively involved with the resident and/or was committed to providing companionship or assisting in the activities of daily living of the resident.*
- *Volunteer may be a member of the community performing other roles to free time for direct care staff.*



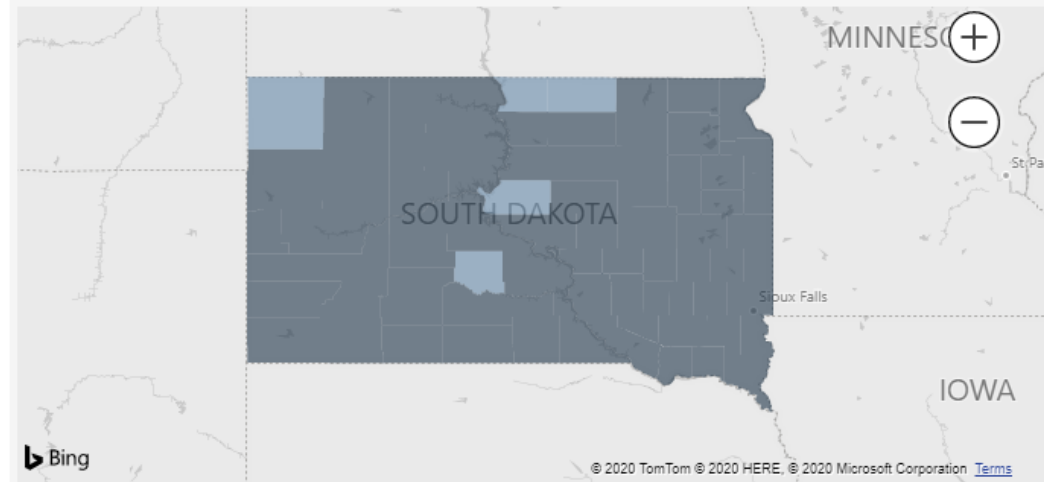
Community Mitigation

Dashboard

SD Overview	Demographics	Hospital Capacity	Trends	Tables
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New Confirmed Cases 1202	New Probable Cases 160	Active Cases 17,461	Recovered Cases 40,668	Currently Hospitalized 543
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Community Spread Map by County of Residence



Hover over a county to see its details, or click county to update the orange boxes.

Total Confirmed Cases 55,705	Total Probable Cases 2,991	Total Persons Tested 283,120	Total Tests 492,271
Ever Hospitalized 3,389	Deaths 567	% Progress (October Goal: 44,233 Tests) 328%	% Progress (November Goal: 44,233 Tests) 119%

SD Overview	Demographics	Hospital Capacity	Trends	Tables
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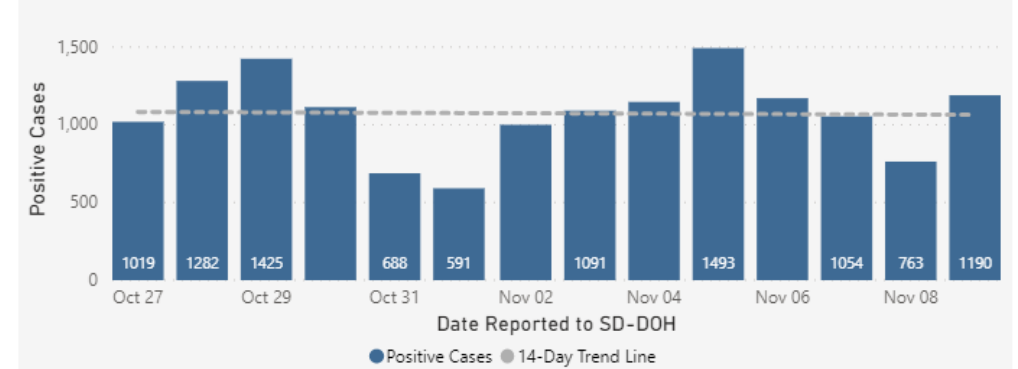
County

All

RT-PCR Test Positivity Rate, Last 1 Day 21.0%	RT-PCR Test Positivity Rate, Last 7 Days 20.1%	RT-PCR Test Positivity Rate, Last 14 Days 20.1%	RT-PCR Test Positivity Rate, Cumulative 11.6%
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RT-PCR Test Positivity Rate: This rate is equal to the number of positive RT-PCR tests divided by total RT-PCR tests, within the specified period of time.

14-Day Trend of Positive Cases by Date Reported to SD-DOH



Supply Chain Management



SOUTH DAKOTA DEPARTMENT OF HEALTH

PPE Request Procedure

All requests for PPE from DOH must be:

- Emailed to COVIDResourceRequests@state.sd.us,
- Faxed to **605.773.5942**, or
- Called in to **605.773.3048** to ensure prioritization and coordination of requests.
- Do not duplicate your request by using all three means of communication.
- Any requests received through any other email or number will all be directed to email COVIDResourceRequests@state.sd.us OR call **605.773.3048** and requesting entities must provide information regarding their current facility status.



On-going Communication



SOUTH DAKOTA DEPARTMENT OF HEALTH

Helpful sources of information:

covid.sd.gov

coronavirus.gov

- **SD COVID-19 Help Line: 800-997-2880**

**SOUTH DAKOTA
COVID-19 INFORMATION LINE**
Questions about COVID-19? We're here to help.
PLEASE CALL 1-800-997-2880



SOUTH DAKOTA DEPARTMENT OF HEALTH

Communications

- SD-HAN: sdhan.sd.gov
- [Epi Listserv](#)
- [Lab Listserv](#)
- [HAI Listserv](#)
- [OLC Listserv](#)

Visit **covid.sd.gov** to subscribe

SOUTH DAKOTA
COVID-19 INFORMATION LINE
Questions about COVID-19? We're here to help.
PLEASE CALL **1-800-997-2880**



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Questions?

Follow-up after the webinar

COVID Helpline: 800-997-2880

Epidemiology: 605-773-3737

Laboratory: 605-773-3368

COVID.sd.gov

COVIDSD@state.sd.us



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